

IRRF 1 MAJOR CONTRACTS

In April 2003, the Congress created the Iraq Relief and Reconstruction Fund (IRRF 1), appropriating \$2.475 billion. The reconstruction funds appropriated under Public Law (P.L.) 108-11 were used to support relief and reconstruction operations that provided immediate support to the people of Iraq, including capital improvements to Iraq's infrastructure. The original IRRF allocation authorized U.S. funds for reconstruction to be executed across five agencies: U.S. Agency for International Development (USAID), Department of Defense, Department of State, Department of Treasury, and the Department of Health and Human Services.

U.S. Agency for International Development

USAID received two-thirds of the IRRF1 appropriation. On April 20, 2007, USAID provided SIGIR a list with the total number of job orders issued under its IRRF I infrastructure contract. For a summary of these Bechtel I job orders, see Table N-1.¹

IRRF 1 was also used to fund several additional sectors. For a summary of USAID goals in these sectors, see Table N-2.

Department of Defense

TASK FORCE RESTORE IRAQI ELECTRICITY

Task Force Restore Iraqi Electricity (RIE) was used to “maintain momentum for several critical electricity projects.”² Task Force RIE assist-

ed the Iraqi Ministry of Electricity by “restoring transmission lines, improving or replacing switching facilities, and restoring more than 30 different power generation projects.”³

A major goal of Task Force RIE was to support the delivery of reliable and consistent electrical power. As of January 1, 2004, the portion of Task Force RIE funded from the IRRF 1 comprised 23 projects. Table N-3 shows the projects funded with IRRF 1 money, and Table N-4 shows the complete list of Task Force RIE projects, funded by all monies.

In February 2004, an additional \$265 million was incorporated into the RIE program to bridge the award and mobilization of the PMO IDIQ contracts. Table N-5 lists the bridging projects.

TASK FORCE RESTORE IRAQI OIL

Task Force Restore Iraqi Oil (RIO) assisted the Iraqi Ministry of Oil in “developing, maintaining, and protecting” the oil exportation and refining system in Iraq.⁴ USACE issued ten task orders; half were funded with DFI.⁵ Task Force RIO was contracted on March 8, 2003.

Task Force RIO had several key goals: restoring the pipeline crossing at the Tigris River (Al-Fatah crossing), installing 50-km pipeline from Kirkuk to the Tigris River, and installing emergency back-up electrical generators at refineries and water utilities. For a summary of Task Force RIO, see Table N-6.

¹ USAID, Section C – Description/Specifications/Statement of Work: Revitalization of Iraqi Schools and Stabilization of Education, March 2003, p. C-5.

² OMB, Report to Congress Pursuant to Section 1506 of the Emergency Wartime Supplemental Appropriations Act, 2003: Update Report on United States Strategy for Relief and Reconstruction in Iraq, October 14, 2003, p. 16.

³ McGuinness, John J., “Contracting to Rebuild a Nation: The Roles and Responsibilities of U.S. Contracting Activities in Iraq,” March 18, 2005.

⁴ McGuinness, John J., “Contracting to Rebuild a Nation: The Roles and Responsibilities of U.S. Contracting Activities in Iraq,” March 18, 2005.

⁵ Crowe, Chizek, “Update Report of Agreed-Upon Procedures regarding the Settlement between U.S. Army Corps of Engineers and Kellogg Brown & Root,” November 16, 2006, p. 8.

APPENDIX N

USAID BECHTEL I JOB ORDERS

PROJECT COUNT	BECHTEL JOB ORDER # / AMENDMENTS - ALL PROJECTS ARE CLOSED	TITLE	JOB ORDER COST (\$USD)	PROJECT START	PROJECT SUBSTANTIALLY COMPLETE
1	JO-04-012-02	Basrah University Material Testing Laboratory	\$559,937	5/8/2004	9/27/2004
2	JO-04-011-02	Basrah Sewage Collection System	\$6,579,875	2/7/2004	12/13/2004
3	JO-04-010-03	Karbala Al Hussein Water Treatment Plant	\$4,641,660	1/19/2004	11/20/2004
4	JO-04-009-05	Diyala and Salah al-Din Water Prov. (Dujayl WTP)	\$5,082,000	1/31/2004	5/26/2005
5	JO-04-008-02	Kirkuk Unified Water Treatment Plant	\$5,000,000	4/19/2004	12/17/2004
6	JO-04-007-02	Umm Qasr New Standby Generators	\$2,138,029	1/26/2004	5/4/2004
7	JO-04-006-03	Rustimiyah 3 WWTP	\$13,414,000	12/27/2003	4/16/2005
8	JO-04-005-06	South Baghdad generating plant	\$44,691,414	11/15/2003	12/13/2004
9	JO-04-004-04	400 KV transmission line	\$17,702,120	11/8/2003	6/1/2004
10	JO-04-003-03	Basrah Airport WTP	\$877,367	11/15/2003	11/11/2004
11	JO-04-002-02	PM Oversight for CPA Funded Baghdad Wastewater Program	\$3,500,000	10/27/2003	5/7/2005
12	JO-04-001-04	Restoration of BSR Sewage Treatment Plant	\$777,434	11/15/2003	10/11/2004
13	JO-03-069-03	Technical Services to Support New Track Construction from Umm Qasr to Shuaiba Junction	\$1,433,895	07/25/2003	12/31/2004
14	JO-03-068-04	Mosul Water and Sewer Remedial Work	\$11,600,000	9/12/2003	4/2/2005
Canceled	JO-03-067-01	Wat Gen Point Source Generation for Water Treatment in Baghdad	Canceled	Canceled	Canceled
15	JO-03-066-03	Basrah International Airport Generators for Heating, Ventilating, and Air Conditioning (HVAC)	\$157,417	9/4/2003	7/21/2004
16	JO-03-065-02	Umm Qasr Custom House and Passenger Terminal Refurbishment	\$353,640	9/7/2003	2/29/2004
17	JO-03-064-02	Basrah International Airport Restoration of East Fire Station	\$113,620	8/26/2003	3/6/2004
18	JO-03-063-03	Outage Support Program	\$691,402	8/14/2003	6/30/2004
19	JO-03-062-03	Generation Support Program	\$4,850,208	8/16/2003	11/18/2004
20	JO-03-061-02	UNDP Program for Electrical Power System	\$998,892	8/16/2003	2/29/2004
21	JO-03-060-09	Kirkuk Substation Combustion Turbines	\$205,159,413	8/17/2003	11/29/2005
22	JO-03-059-03	Basrah International Airport Land Based Radio System	\$680,677	8/16/2003	5/10/2004
23	JO-03-058-04	BIAP Air Traffic Control Center	\$848,258	8/16/2003	2/5/2005
24	JO-03-057-06	Crude Oil Treatment Systems at Al Qudas and Baiji	\$3,570,000	8/15/2003	7/20/2004
25	JO-03-056-06	BIAP Restoration of Substation No. 1	\$755,022	8/15/2003	3/10/2005
26	JO-03-055-03	An Najaf Sewage Treatment Plant Restoration	\$5,550,000	9/1/2003	2/12/2005
27	JO-03-054-05	Heat Exchangers at Hartha, Shuaibah, Najibiyah and Khor Az Zubair Gen Stations	\$2,400,092	8/20/2003	3/31/2005
28	JO-03-053-05	Baiji Power Plant Units 1, 2, 3, 4, 6	\$21,123,350	8/11/2003	8/31/2004
29	JO-03-052-02	Umm Qasr Brackish Water System	\$57,200	8/15/2003	12/18/2003
30	JO-03-051-04	Basrah International Airport Perimeter Fencing	\$759,801	8/15/2003	3/27/2004
31	JO-03-050-03	Umm Qasr Port Repair Toilet Blocks	\$104,709	8/7/2003	4/17/2004
Canceled	JO-03-049-01	Basrah International Airport Emergency Work On Call	Canceled	Canceled	Canceled
Canceled	JO-03-048-01	Baghdad Sewage Pump Stations	Canceled	Canceled	Canceled
32	JO-03-047-04	Baghdad Area Emergency Parts & Material for Power Gen Plants	\$1,410,000	8/5/2003	2/17/2005
33	JO-03-046-03	A/C for Power Generating	\$414,665	8/5/2003	6/21/2004
34	JO-03-045-04	Repair Umm Qasr substations	\$264,753	8/2/2003	3/24/2004
35	JO-03-044-07	Shark-Dijla Water Treatment Plant	\$20,627,000	8/1/2003	5/10/2005
36	JO-03-043-02	Repair of Firewater System at Umm Qasr	\$144,279	7/28/2003	3/24/2004
37	JO-03-042-04	Kherkh Sewage Treatment Plant	\$5,675,479	8/1/2003	6/6/2004
38	JO-03-041-03	Evaluation and Reinstatement of Existing Port Owned Floating Equipment (Iraqi Dredges)	\$358,870	8/9/2003	4/3/2004

USAID BECHTEL I JOB ORDERS

PROJECT COUNT	BECHTEL JOB ORDER # / AMENDMENTS - ALL PROJECTS ARE CLOSED	TITLE	JOB ORDER COST (\$USD)	PROJECT START	PROJECT SUBSTANTIALLY COMPLETE
39	JO-03-040-02	Basrah International Airport Preparation for Commercial Operations	\$750,501	8/1/2003	8/30/2003
40	JO-03-039-02	Umm Qasr New Port Administration Building	\$402,428	8/1/2003	2/14/2004
41	JO-03-038-04	Demolition and Reconstruction of Tikrit Bridge	\$2,900,920	8/1/2003	9/17/2004
42	JO-03-037-08	Doura Power Plant Rehab Units 5 & 6	\$88,590,100	8/1/2003	6/15/2005
Canceled	JO-03-036-03	Basrah Region Potable Water Pump Station Restoration	Canceled	Canceled	Canceled
Canceled	JO-03-035-01	Najibiyah Transformer Cooling System Repair or Replacement	Canceled	Canceled	Canceled
43	JO-03-034-05	Rustimiyah South Sewage Treatment Plant	\$5,858,083	8/1/2003	2/13/2005
44	JO-03-033-02	Sweet Water Canal Cleanup	\$10,916,288	9/1/2003	12/13/2004
45	JO-03-032-04	Iraqi Republi Railway North of Umm Qasr 56 K	\$9,347,500	7/25/2003	12/31/2004
46	JO-03-031-02	Khazir Bridge Demo & Reconstruct aka Kharza	\$1,641,451	8/15/2003	5/5/2004
47	JO-03-030-02	Al Mat Highway Bridge	\$1,264,264	8/1/2003	3/1/2004
48	JO-03-029-04	Karbala STP Restoration	\$1,197,902	8/1/2003	12/9/2004
49	JO-03-028-04	Najaf Water Tx Plant	\$4,493,000	8/1/2003	2/12/2005
50	JO-03-027-04	Diwaniya STP Restoration	\$2,182,933	8/1/2003	12/19/2004
51	JO-03-026-04	Basrah Water Supply Mains	\$1,735,459	8/1/2003	11/3/2004
52	JO-03-025-02	Restoration of Basrah Water Filtration Plants	\$19,346,954	8/1/2003	12/9/2004
53	JO-03-024-04	Hilla Sewage Treatment Plant	\$2,358,804	8/1/2003	12/11/2004
54	JO-03-023-02	Telecom Terrestrial Network	\$6,722,000	6/25/2003	9/8/2004
55	JO-03-022-04	Telecom Subscriber Service	\$32,343,417	6/25/2003	3/13/2004
56	JO-03-021-02	BIAP Preparation for Commercial Operations	\$1,006,016	6/25/2003	1/29/2004
Canceled	JO-03-020-01	Restoration of 400 KV Transmission System	Canceled	Canceled	Canceled
57	JO-03-019-02	BIAP On Call Repair Terminal C	\$662,288	6/17/2003	12/30/2003
58	JO-03-018-02	Hwy 10 Bridge Demo	\$366,864	6/15/2003	8/4/2003
59	JO-03-017-04	BIAP VSAT & VHF System for ATM	\$2,669,860	6/4/2003	3/1/2004
60	JO-03-016-02	BIAP Parking & Checkpoint Facility	\$691,353	6/14/2003	1/30/2004
61	JO-03-015-04	Safwan Water Pumping Station	\$301,854	6/10/2003	1/9/2004
62	JO-03-014-04	Schools, Clinics, Selected Government Buildings	\$49,876,144	6/9/2003	5/15/2004
63	JO-03-013-01	BIAP Satellite and Wireless Telecom Systems	\$722,746	6/5/2003	9/17/2003
64	JO-03-012-03	BIAP PABX and Hardware Telecom Systems	\$398,302	6/5/2003	4/1/2004
65	JO-03-011-04	Power Station Water Treatment	\$8,886,280	5/28/2003	4/30/2005
66	JO-03-010-02	Umm Qasr Port - Removal of Sunken Wrecks	\$9,368,240	6/1/2003	11/16/2003
67	JO-03-009-02	Umm Qasr Port Security Infrastructure	\$1,136,309	5/28/2003	10/30/2003
68	JO-03-008-08	BIAP 5MVA Electric Generation	\$11,779,149	5/27/2003	9/11/2005
69	JO-03-007-03	Ar Rutbah 2 (Al Mat) Emergency Bridge Bypass	\$300,000	5/22/2003	6/10/2003
70	JO-03-006-02	Transmission Line Repair Parts & Elec Test Equipment	\$305,036	5/20/2003	9/2/2004
71	JO-03-005-17	Bucket Em Action Work Authorizations	\$745,354	5/20/2003	9/15/2004
72	JO-03-004-04	Start up Umm Qasr Grain Facility	\$1,801,552	5/15/2003	11/29/2003
73	JO-03-003-03	Umm Qasr Grain 5MVA Gen & 16 Emerg Gens	\$5,941,652	5/12/2003	5/1/2004
74	JO-03-002-03	Boiler Water Chemicals etc for Al Musayyib and Baghdad Power	\$239,142	4/24/2003	3/8/2004
75	JO-03-001-03	Umm Qasr Dredging Phase 2	\$15,933,514	5/6/2003	10/22/2003
Total			\$700,250,137		

Source: USAID, response to SIGIR, April 21, 2007.

TABLE N-1

ADDITIONAL IRRF 1 CONTRACT DELIVERABLES

SECTOR	SUMMARY OF USAID STATEMENT OF WORK DELIVERABLES
Local Governance	Develop census Create voter register Develop legal framework for elections Develop framework that decentralizes authority to local governments Build competent, responsive, and accountable government
Education	Deliver 2.1 million student kits (to 12,500 schools) within six months Provide materials, equipment and supplies that meet appropriate standards
Health Systems	Complete health care provider payroll Make advanced medical and surgical care available in 21 cities Basic health care available to 12.5 million people within 6 months of entry into permissive area
Airport Administration	Provide one assessment report per airport Create one work plan per airport Create preparedness plan per airport Provide monthly airport operations and management reports
Economic Recovery	Promote rapid, broad-based economic growth through improved policy Implement a Competitive Initiative (develop exports, strengthen firms, generate jobs) Assess SOEs for potential market value Identify capable local lending institutions Identify micro-credit lending facility Develop and implement road map to assure phased cessation of Oil for Food
Agriculture Development	Increase local/export sales by \$50 million 20% production increase of commodities (wheat, barley) Expand irrigated areas by 25% 20% increase of agriculture production
Iraqi Seaport Assessment	Provide port assessment Provide two work plans for port operation and improvement Create one preparedness plan Provide port operations and management monthly report

Note: Goals and objectives listed above are taken directly from USAID's Statements of Work. These goals and objectives represent a summary of intended work under the statements of work.

TABLE N-2

RESULTS FROM TASK FORCE RIE

PROJECT RESULTS
4 Mobile Generator Units at Baiji: 80 MW on the grid
2 Gas Turbine generators at Baiji: 180 MW on the grid
Rehab of units 5, 6 at Dibis: 62 MW on the grid
1 Gas Turbine Generator at Hilla: 18 MW on the grid subject to gas pressure, which will be fixed when the project is completed
8 industrial sites in North Iraq: 75 MW on the grid
Rehab of unit number 4 at Khor Zubayr: 52 MW on the grid
Rehab of unit number 2 at Najaf: 52 MW on the grid
SDMO generators located across Iraq: 200 MW on the grid
400-kV lines repaired/rebuilt and energized: <ul style="list-style-type: none"> Baghdad to Haditha: 223 km, replaced 246 towers of 504 total; enabled approx. 350 MW of power from Haditha Dam to reach the national grid Baghdad West to Baiji: 230 km, replaced 68 towers of 504 total Baghdad South to Baghdad East: 50 km, replaced 81 towers of 140 total Hartha to Qut: 360 km, replaced 297 towers of 750 total Baghdad South to Diwaniyah: 135 km, replaced 27 towers of 290 total
SCADA system for 400/132 kV substations in Baghdad
Rehab of 3 control stations for 33/11 kV substation SCADA system
33/11 kV Substation SCADA system for 1/3 of Baghdad
Rehab of 9 Critical 33/11 kV substations
Laid the groundwork for the Logistics Management System (Maximo) for parts and maintenance of power plants and storage yards throughout Iraq
Equipped and paid 1,500 EPSS officers for 1 year

Source: GRD, response to SIGIR, April 6, 2007. Results provided to SIGIR from GRD.

TABLE N-3

TASK FORCE RIE PROJECT LIST

PROJECT NUMBER	PROJECT
6N	Rehabilitation of units #4, 5, and 6 at DIBIS Start Date: Unit 4 (11/20/2003), Units 5&6 (9/26/2003) Completion Date: Unit 5 (2/10/2004), Unit 6 (12/28/2003)
5S	Rehabilitation of units #2 and 4 at Khor al-Zubair – 126 MW (\$5M) Start Date: Unit 2 (11/15/2003), Unit 4 (9/26/2003) Completion Date: Unit 4 (2/3/2004)
7C	Rehabilitation of Unit #2 at Najaf – 63 MW Start Date: 9/26/2003 Completion Date: 2/18/2004
2	Rehabilitation of SDMO Generator Units: 270 MW Rehabilitation of existing diesel generation belonging to the Ministry of Trade at grain warehouses throughout Iraq. The generators were already connected to the national grid but were unserviceable. Start Date: 9/26/2003 Completion Date: 2/18/2004
3N	New Generation: North – 8 Industries – 78 MW Start Date: 9/26/2003 Completion Date: 1/31/2004
30S	New Generation: Nassriya – 40 MW (Frame 6 Generator installed) Start Date: 10/26/2003
8C	New Generation: Hilla – 25 MW Start Date: 10/4/2003 Completion Date: 3/31/2004
9S	New Generation: Buzurgan – 43 MW (LM6000) Start Date: 10/26/2003
31C	New Generation: Qudas 3&4 (250 MW – Frame 9 generator) Start Date: 10/26/2003
4C	New Generation: Qudas 5-8 (172 MW) Start Date: 9/26/2003
28N	New Generation: Baiji Mobile – 184 MW (Units 1A&B, 2A&B, 3A&B, 4A&B) Start Date: 9/26/2003 Completion Date: Units 1A&B (3/31/2004), Unit 3B (2/25/2004), Units 4A&B (3/18/2004)
36N	Repair/convert Baiji GT Unit 2 – 159 MW (conversion of units 1&2 from diesel to heavy fuel oil, repair fire damaged Unit #2) Start Date: 9/26/2003 Completion Date: Unit 1 (3/18/2004), Unit 2 (4/18/2004)
35N	New Generation: Baiji Gas 3&4 (318 MW – consisting of two Siemens 159 MW generators) Start Date: 11/24/2003
26	Back-Up Generators: 200 MW (Japanese Generator Sets) Start Date: 9/26/2003
13C	400kV Line from Baghdad South to Diwaniyah (27 towers; 810 km of wire) Start Date: 9/26/2003 Completion Date: 1/24/2004
33C	400kV Line from Baghdad South to Baghdad East (81 towers; 300 km of wire) Start Date: 10/26/2003 Completion Date: 3/11/2004
12N	400kV Line from Baghdad West to Baiji (66 towers; 1506 km of wire) Start Date: 9/26/2003 Completion Date: 3/27/2004
16S	400kV Line from Baghdad to Basrah (293 towers; 2100 km of wire) Start Date: 9/26/2003 Completion Date: 3/8/2004
11N	400kV Line from Baghdad West to Haditha (236 towers; 1338 km of wire) Start Date: 9/26/2003 Completion Date: 4/6/2004
14C	400/132 kV SCADA – Iraq – Phase I Only Start Date: 9/26/2003 Completion Date: 1/15/2004

TASK FORCE RIE PROJECT LIST

PROJECT NUMBER	PROJECT
17C	33/11 kV SCADA – Baghdad only Start Date: 9/26/2003
15C	Rehabilitation of 3 Baghdad Control Centers Start Date: 9/26/2003 Completion Date: 1/16/2004
18C	Rehabilitation of Priority 33/11 kV Substations Start Date: 9/26/2003
22C	Design Ministry of Electricity Logistics Management System (Phase I & II) Assessment of existing logistics facilities and processes. Development of new logistics management system, including the management of any necessary work to improve storage facilities, ensuring that the vehicle fleet is adequate, IT and training of staff. Start Date: 9/26/2003 Completion Date: 4/15/2004
23	Equipment of Power Police – 1500 men for 1 year Start Date: 9/26/2003 Completion Date: 12/2/2003
25	Provide Security Detect Assessment Start Date: 9/26/2003 Completion Date: 12/20/2003

Source: GRD, response to SIGIR, April 6, 2007. Results provided to SIGIR from GRD.

TABLE N-4

TASK FORCE RIE BRIDGING PROJECTS

PROJECT NUMBER	PROJECT
37C	Zaferinia: Rehabilitation of four existing 9.3 MW Wartsilla and three existing 1 MW SAKR SP1250 diesel generators as well as two existing Solar Centaur 40 3.5 MW gas turbines at Units 1,2,3, and 4. Start Date: 2/6/2004
38C	Doura #3: Rehabilitation of existing plant 37 MW Fiat TG-20 turbine generator Unit #3. Start Date: 2/6/2004
39C	Taiji (85 MW): Generator rehabilitation on Units 1,2,3,4, and 7 including Units 3&7 Frame 5s (20 MW each) and two 12.5 MW Alstoms. Start Date: 2/6/2004
40N	Old/New Mullah (117 MW): Rehabilitation of Frame 6 gas turbine Unit #6, replace servo units and blower, rehabilitation of Frame 5 Units 1 2,7, and 12 at Mullah Abdullah. Start Date: 2/6/2004
41N	Mosul Power Station (60 MW): Rehabilitation of Frame 5 gas turbine generator Units 1,2,8, and 9. Start Date: 2/6/2004
42C	Haditha Hydro: Replacement of blade on Unit #5 (140 MW), assess cause of excess noise on Unit #2 and rewind generator, dewater and refurbish main pump station. Start Date: 2/6/2004
43S	Nassriya Water Intake (173 MW): Apply chemical treatment to kill barnacles and remove, removal of submerged dam and localized dredging. Start Date: 2/6/2004
44N	132kV Line (DIBIS-AZADI-QAURQUSH): Reconstruction of 62 km 132kV line between Erbil Park and Qara Qosh substations and 70 km 132kV line between Erbil Azadi and Dibis substations using twin teal conductor. Start Date: 2/6/2004

Sources for Table N-3 and N-4: GRD, response to SIGIR, April 6, 2007.

Note: Projects listed include RIE projects funded outside of IRRF 1.

TABLE N-5

SUMMARY OF TASK FORCE RIO TASK ORDERS

Task Order	Description	Results
1	Training and advice for safe shutdown; oil spill equipment pre-positioning	U.S. allocation
2	Design for quick repair of oil facilities	U.S. allocation
3	Damage assessment, oil well fire fighting and repairs	U.S. allocation
4	Base camp facilities and life support	U.S. allocation
5	Import and distribute	DFI
6	Restore essential oil infrastructure	DFI
7	Import and distribute fuel	DFI
8	Import and distribute fuel	DFI
9	Import and distribute fuel	DFI
10	Import and distribute fuel	DFI

Source: Crowe, Chizek, "Update Report of Agreed-Upon Procedures regarding the Settlement between U.S. Army Corps of Engineers and Kellogg Brown & Root," November 16, 2006, p. 8.

TABLE N-6